

# RESERVE COPY PATENT SPECIFICATION

390,265

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## PROVISIONAL SPECIFICATION.

### Mop Wringer.



I, HUBERT AMORY PREECE, a subject of the King of Great Britain, of 91, High Street, Thame, Oxfordshire, do hereby declare the nature of this invention to be as follows:—

An apparatus for wringing water out of mops. This consists of:—

A metal container or guide, circular in shape and larger in diameter than the mop head, and fully open at one end to enable the mop head to be drawn into it. At the other end is a small hole over which is fitted a short length of metal tube projecting outwards, and sufficiently large enough to allow the mop handle to slide in, and also to form a hand grip. This container or guide is suitably perforated.

A piece of suitable cloth material made to the shape of a tapered tube, and of sufficient length and size to enclose the mop head.

The apparatus is fixed as follows:—The cloth tube is slipped, large end first, over and right down the mop handle. The

small end is then fixed firmly to the handle immediately above the mop head, and the remainder pulled over the mop head.

The metal container or guide, open end first is now slipped over the mop handle, and right down until the mop head which is already enclosed in the cloth tube is inside it. Fix the open end of the cloth tube securely all round to the mouth of the container or guide and the apparatus is complete.

When not in use:—The container or guide is pulled back up the handle, thus bringing the cloth tube with it and exposing the mop head.

To wring:—Push down container or guide, which automatically takes the cloth tube with it, until the mop head is enclosed. Turn mop handle and container or guide in opposite directions and the cloth tube is twisted tightly over the mop head, thus squeezing out the water.

Dated the 17th day of December, 1931.

H. A. PREECE.

## COMPLETE SPECIFICATION.

### Mop Wringer.

I, HUBERT AMORY PREECE, a subject of the King of Great Britain, of 91, High Street, Thame, Oxfordshire, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to mops and has for its object to provide an improved construction of device of this character whereby the liquid contained in or absorbed by the mop head may be conveniently and effectively expelled without direct manipulation of the mop head so as to effect the wringing action by hand as is generally necessary with the construction at present in use.

According to the principal feature of the invention the mop is provided with a wringing attachment comprising a

member adapted to slide along the shaft of the mop and a flexible and preferably porous sheath or cover secured to the shaft and to the said member and adapted to surround the head so that by rotating the member relatively to the shaft or vice versa the flexible sheath is twisted so as to compress the material of the head and thereby expel the contained liquid.

The invention is illustrated by way of example in the accompanying drawings, Figure 1 of which is a view in side elevation of one form of construction of mop embodying the invention, the mop being shown with the wringing attachment withdrawn and inoperative.

Figure 2 is a view similar to Figure 1 but illustrating the wringing attachment, in its operative position preparatory to wringing, in section.

Figure 3 is a view in side elevation

illustrating the action of the wringing attachment, shown in section.

Referring now to the drawings it will be seen that the improved mop comprises a handle or shaft 1 on which is mounted the mop head 2 which is composed of the usual bundle of filaments of cotton or other suitable absorbent material.

The wringing attachment comprises a conical member 3 preferably composed of metal, the smaller end of which is rigidly secured to a tubular bushing or guide member 4 adapted to slide loosely along the shaft 1, the external surface of the bushing 4 forming a hand grip as shown.

A number of apertures 5 are provided in the conical member 3 adjacent to its larger end and the periphery of this end of the member is connected to the end of the shaft 1 on which the mop head 2 is mounted, or to the mop head itself, by means of a sheath or cover 6 in the form of a conical bag composed of suitable flexible fabric such as "Scotch crash" and secured to the shaft and to the member 3.

Alternatively the sheath or cover 6 may be formed of metal chain mail or a series of closely spaced flexible cords, wires or chains extending from the end of the conical member 3 to the end of the shaft 1.

In operation, when the mop is required for use in the ordinary manner the wringing attachment is rendered inoperative by sliding the sleeve 4 along the shaft 1 so that the parts occupy the position shown in Figure 1.

When it is desired to wring the mop, the sleeve 4 is slid along the shaft 1 so as to cause the conical member 3 to carry the flexible sheath 6 to the position shown in Figure 2 from which it will be seen that the sheath 6 has been turned inside out and surrounds the mop head 2.

The sleeve 4 is now rotated relative to the shaft 1 with the result that the sheath 6 is twisted upon itself thereby compressing the mop head 2 and expelling the liquid therefrom.

In cases in which the mop is to be employed for corrosive liquids such as acids, the sheath 6 may be composed of asbestos or other resistant fabric and the other

parts of the device may be of suitable material or coated with a protective layer composed of paint or other material.

A device, such as a spring pressed ball for instance may be associated with the mop or wringing attachment so as to maintain the mop in its in-operative position with respect to the wringing attachment.

The invention is evidently not limited to the particular construction above described and illustrated by way of example which may be varied in many respects without exceeding the scope of the invention.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A mop provided with a wringing attachment comprising a member adapted to slide along the shaft of the mop and a flexible sheath or cover, secured to the shaft and to the said member and adapted to surround the mop head so that by rotating the member relatively to the shaft or vice versa the flexible sheath is twisted, for the purpose specified.

2. A mop as claimed in claim 1 in which the sheath or cover and the member adapted to slide along the shaft are substantially conical.

3. A mop as claimed in claim 2 in which a tubular bushing or guide member forming a hand grip is provided at the smaller end of the conical member adapted to slide on the shaft, substantially as described.

4. A mop as claimed in claim 1, in which a device is associated with the wringing attachment so as to maintain the mop in its inoperative position with respect to the attachment, substantially as described.

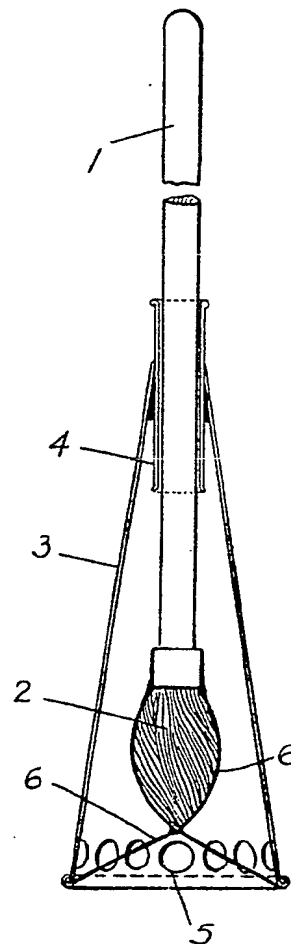
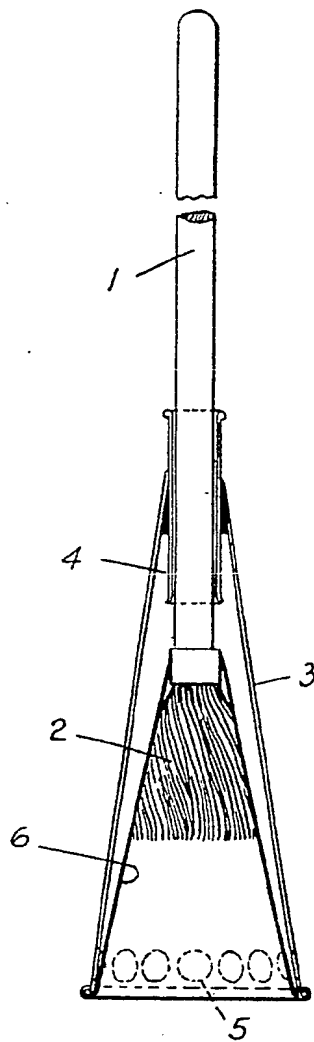
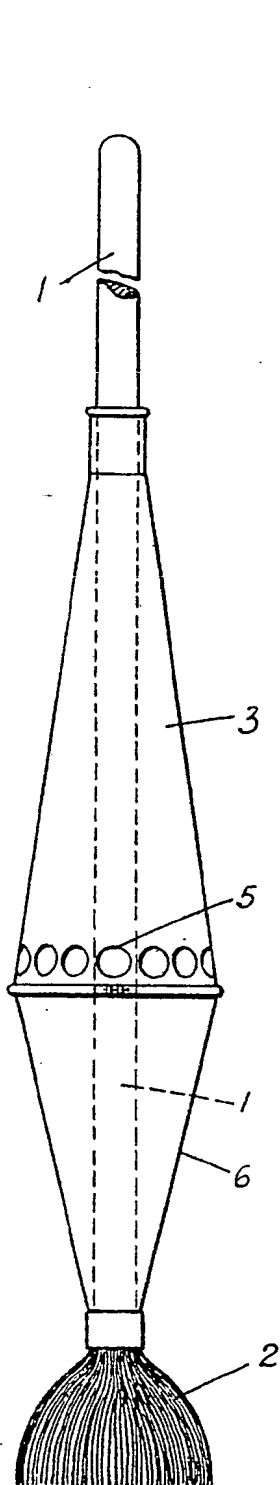
5. A mop provided with a wringing attachment constructed, arranged and operating substantially as described with reference to the Figures of the accompanying drawings.

Dated this 17th day of September, 1932.

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[This Drawing is a reproduction of the Original on a reduced scale.]



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